

Algebra 2
Linear Functions Word Problems

Name: _____
Date: _____

Suggested directions:

Make a table or graph or sequence to describe each problem. Then write an equation and solve the problem.

The cost of producing 4 cartons is \$204.80. The cost of producing 8 cartons is \$209.60. How much does it cost to produce 20 cartons?

There were 174 words typed in 3 minutes. There were 348 words typed in 6 minutes. How many words will be typed in 8 minutes?

After 5 months the number of subscribers to a newspaper was 5730. After 7 months the number of subscribers to the newspaper was 6022. How many subscribers to the newspaper will there be after 10 months?

A pump removes 1000 gallons of water from a pool at a constant rate of 50 gal/min. After how many minutes will the pool be empty?

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There are 2 leaves along 3 in. of an ivy vine. There are 14 leaves along 15 of the same vine. How many leaves are there along 6 inches of the vine?

A 2-mile cab ride costs \$5.25. a 5-mile cab ride costs \$10.50. how much does a 3.8 mile cab ride cost?

There are 55 blades of grass in 1 square inch of lawn. There are 230 blades of grass in 4 square inches of lawn. How many blades of grass are in 3 square inches of lawn?

CHALLENGE!

Refer to the chart on the whiteboard. According to that chart, is your number of tardies to school greater or less than what we would expect? DEFEND your answer using math.